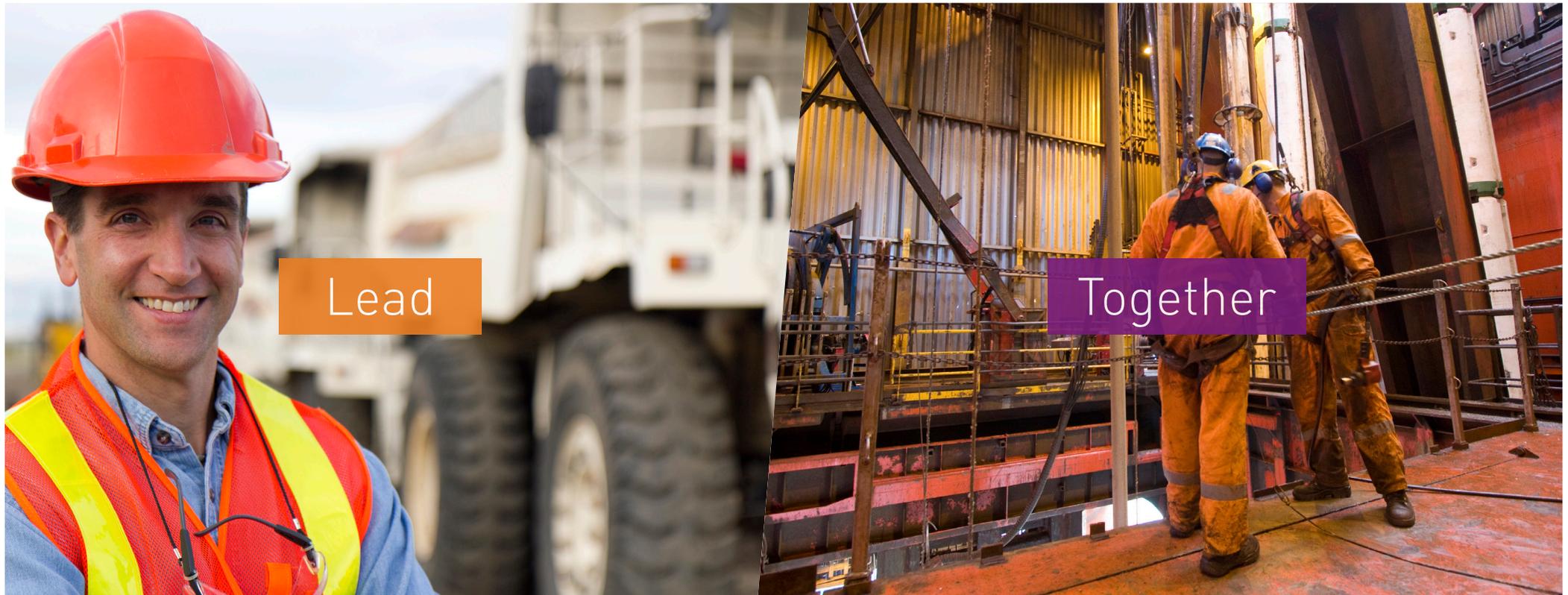


Upstream '17

An introduction to IOGP's Committees and their activities

The following pages provide a brief overview of IOGP's 14 Committees, their key activities, recent highlights, and work streams for the coming year.



Get in touch

If you have an enquiry or would like to get in touch, see below for the best person to contact.

Committee	Chair	Committee contact	Email
Arctic	Catherine Jahre-Nilsen (Statoil)	Carla Pueyo Lloret	cl@iogp.org
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Decommissioning	Win Thornton (BP)	Carla Pueyo Lloret	cl@iogp.org
Environment	Paola Pedroni (eni) & Dina Kuykendall (Baker Hughes)	Carla Pueyo Lloret	cl@iogp.org
EU	Olav Aamlid Syversen (Statoil)	Nareg Terzian	ntz@iogp.org
Geomatics	Walter Jardine (BP)	Lucyna Kryla-Straszewska	lks@iogp.org
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Legal	Catherine Marchand Støle (Statoil)	Carla Pueyo Lloret	cl@iogp.org
Metocean	Eugene Berek (ExxonMobil)	Lucyna Kryla-Straszewska	lks@iogp.org
Safety	Taco Franssen (Chevron)	Mariana Carvalho	mc@iogp.org
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Standards	Ian Cummins (BP)	Alf Reidar Johansen	arj@iogp.org
Subsea	Roald Sirevaag (Statoil)	Chris Hawkes (Safety Director) Natalia Staina	ch@iogp.org ns@iogp.org
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What does the Arctic Committee do?

The Arctic Committee is a technical and advocacy focal point for E&P industry in Arctic and cold climate areas.

The committee:

- works to secure responsible Licence to Operate within a competitive framework for commercial activity
- monitors and reviews policy frameworks, regulatory and pressure group activities
- provides outreach of industry experience and position towards regulators and Arctic Council.

2016 Highlights

IOGP Standards workshop for Arctic Council Emergency Prevention Preparedness and Response (EPPR) working group.

Advocacy of Arctic Response Technology JIP to Arctic Council representatives and sharing into study work.

IOGP internal resource document *Arctic Operating Practices*.

Work items for 2017

- Application for Arctic Council Observer status, and selective engagement
- IOGP contribution to Arctic Economic Council responsible resource development group
- Engage with Arctic Offshore Regulators Forum on risk assessment and transboundary cooperation
- Improve cooperation with IPIECA and national industry associations, e.g. NOROG
- Seek cross-company experience on specific policy challenges, such as ice-related ecosystem.

Value proposition

In June 2016, the Arctic Committee reviewed its role, activities and its value in the current low level of industry activity.

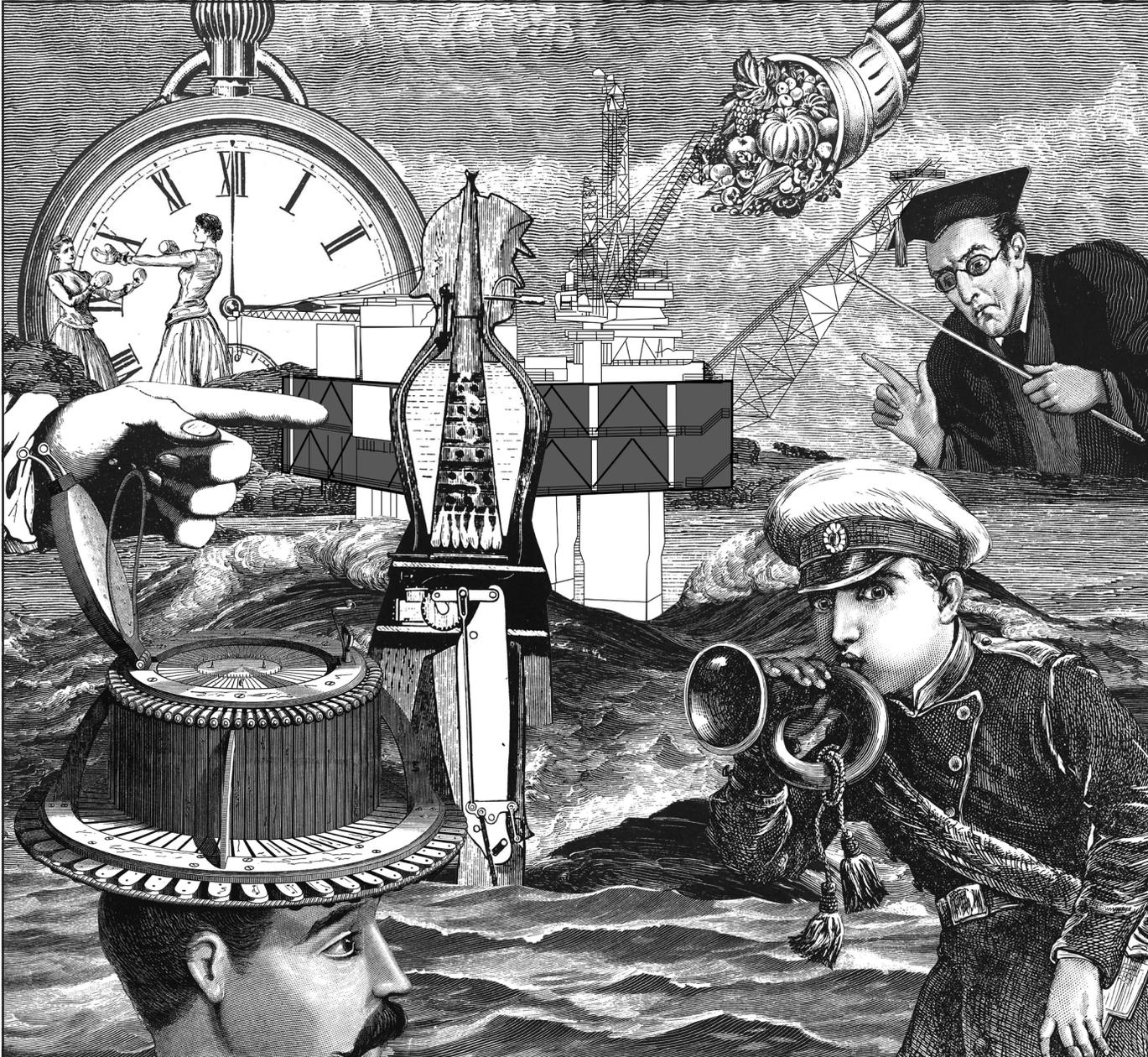
The key points were:

- activities strongly aligned with IOGP focus areas of standardization, HSE and advocacy to regulators
- business risk focus and externally orientated in recognition of need for engagement
- a unique cross-discipline and cross company group, no other similar forum of activity elsewhere.



Chair's message

Climate change mitigation is a global issue, not specifically related to Arctic resources. Many Arctic and sub-Arctic areas can be competitive for future reserves replacement even in a COP21 and lower oil price scenario. Continued access for safe and efficient operations requires early identification of technical and non-technical risks, science-based approaches, and shared operational practices. Advocacy of industry knowledge and performance is critical.



What does the Communications Committee do?

- Serves as the voice of IOGP and speaks on behalf of the global upstream industry
- Engages in direct advocacy to promote the case for oil and gas
- Raises awareness of IOGP achievements and products among Members
- Supports the communications efforts of JIPs and committees
- Creates and manages IOGP communications: website, social media, conventional media, *Highlights* and the IOGP brand.

Work items for 2017

- Expand global outreach through direct engagement and media; supporting the industry's Licence to Operate
- Promote key messages via third parties through alliances beyond the oil and gas industry
- Increase IOGP's profile among existing and potential Members through email campaigns, marketing and events
- Continue to improve and upgrade IOGP's public website and social media channels
- Update and expand the Association's image library to support the above activities.





Work streams for 2017 and beyond

- Provide industry technical and strategic input into OSPAR 98/3 review process
- Articulate industry intent to maintain option to derogate footings for jackets greater than 10,000 tonnes
- Provide forum for industry sharing on decommissioning
- Acknowledging that decommissioning is now a part of base business, identify key decommissioning issues and cost drivers that can be matured to add value or minimize costs.

Work items for 2017

- Provide IOGP Member input into OSPAR 98/3 Decision for 2018
- Update Overview of Offshore Decommissioning Regulations
- Develop broader view of decommissioning issues beyond traditional OSPAR with focus topics and sponsors
- Improve understanding of non-industry stakeholders to offshore decommissioning.

What does the Decommissioning Committee do?

- The Decommissioning Committee has traditionally supported North Sea operators in the five-year review of OSPAR 98/3
- Acknowledging that decommissioning has become global, material and imminent, the Decommissioning Committee is broadening its view beyond OSPAR
- The Committee seeks opportunities to collaborate more broadly with other standing committees to develop our decommissioning view and expertise
- Relevant decommissioning topics to include well plugging and abandonment, facility removal and stakeholder issues on disposal and end state.

2016 Highlights

- Renewed Decommissioning Committee to begin preparation for routine five-year cycle of OSPAR 98/3 review
- Held subject matter expert review and critique of legacy Concrete Gravity Base (CGB) document. Identified industry learnings and progress since original draft and developed update plan
- Planned joint IOGP and Oil & Gas UK effort for industry input to UK regulator.



What does the Environment Committee do?

- Develop and promote good environmental practice
- Sponsor and undertake scientific research to develop appropriate risk management approaches
- Proactively develop and advocate the industry's position in response to changing regulations
- Engage with regulators and relevant stakeholders to raise awareness and improve our reputation.

Work streams for 2017 and beyond

- Assimilate trends and adjust our five-year strategy
- Develop and refine Environmental reporting
- Collaborate with IPIECA in key areas:
 - Biodiversity, Water, Climate change, Oil Spill
- Anticipate and respond to ever increasing expectations of shareholders and stakeholders.

2016 Highlights

- Report 546, *New technologies in offshore monitoring – A technology brief*
- Report 557, *Drilling waste management technology review*
- Update to Report 412, *Managing Naturally Occurring Radioactive Material (NORM) in the oil and gas industry, and new Naturally Occurring Radioactive Material – The Facts*
- *Biodiversity and ecosystem services fundamentals – Guidance document for the oil and gas industry.*

Work items for 2017

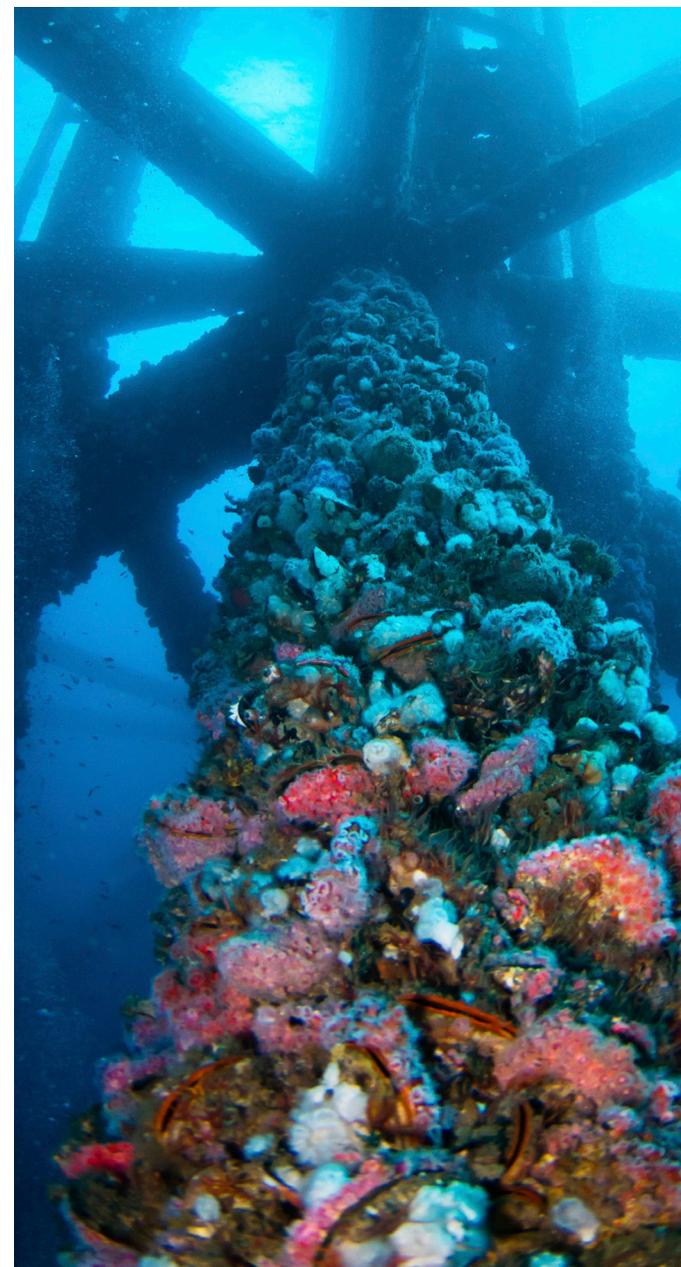
- *Environmental Management in E&P* with IPIECA and UNEP
- *2016 Environmental Performance Indicators Report*
- Microplastics
- Induced seismicity
- Science-based risk management of marine seismic operations
- Conventional vs unconventional impacts.

Chair's message

“ We provide business value to IOGP Members by identifying and responding to environmental issues fundamental to retaining our **Licence to Operate**

We focus on three priority areas:

- Access
- Operations
- Advocacy and Outreach.





*"Efficient exploration and production of oil and gas resources within the EU form an **important element** of our Energy Union strategy."*

Competition Commissioner Margrethe Vestager

*"I am convinced that gas will have a central role to play in our economies for **decades to come.**"*

Vice-President Maroš Šefčovič, in charge of the Energy Union

What does the EU Committee do?

We promote E&P in the EU and promote a relevant role for oil and gas in the energy mix

- 10 working groups, engaging with EU institutions, NGOs, think-tanks, other industry associations
- Representing industry in key regulatory bodies for safety, security of supply, best practice
- Leading GasNaturally – one voice for gas.

Work streams for 2017 and beyond

The EU Committee's **top five priorities**:

1. Access to Resources
2. Gas Advocacy
3. Climate
4. Marine and Environment, air quality
5. Security of Supply / EU market access.

Work items for 2017

The EU Committee will have to:

- Ensure new EU guidelines are in line with existing standards and industry remains competitive
- Promote a relevant role for gas in power generation and heating
- Demonstrate we are part of the solution to the climate challenge
- Ensure EU market access for oil and gas.

2016 Highlights

The EU Committee was influential on:

- Implementing the offshore safety directive
- Financial liability for offshore operations
- Limiting scope of BAT guidance for oil and gas
- Positive outcome of air quality legislation
- Potentially securing free CO₂ allowances for offshore platforms

European Commission

Proposes legislation



European Parliament

Amends, consents

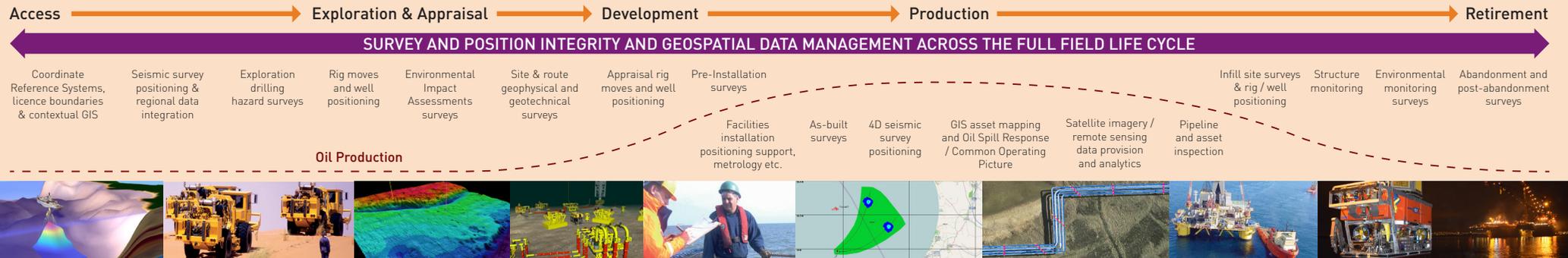


Council of the EU

Amends, decides



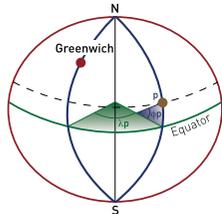
Geomatics support during the upstream oil and gas life cycle



What does the Geomatics Committee do?

The Geomatics Committee provides global guidance for the survey & positioning and geospatial data management disciplines.

It aims to help IOGP Members by: developing and disseminating good practice, providing a forum for exchanging knowledge, influencing regulators and standards organizations, maintaining international position data exchange formats, data models and a global geodetic parameter dataset (EPSG), liaison with industry associations.



Work streams for 2017 and beyond

Continue active ownership of key industry:

- Guidelines and Position Data Exchange formats – maintain
- GIS Data Models – maintain SSDM and develop LSDM
- Geospatial Integrity of Geoscience Software (GIGS) – revise and update test datasets
- IOGP's EPSG Geodetic Parameter Dataset – maintain and enhance
- P7 wellbore survey data exchange format – revise
- Oil Spill Response Common Operating Picture guidelines (JIP with IPIECA) – maintain

Work with OGC, ISO, SEG and Regulators to promote adoption or improvement of coordinate data and reference system standards.



Business value of Geomatics in the Oil & Gas Sector

Accurate real-time positioning and spatial data acquisition for:
geophysical surveys, rigs, vessels, wells, moorings, infrastructure installation, integrity management and other field operations, late life & decommissioning activities

Operational Efficiency

Reduced operational cost and fewer delays
Infrastructure, wells, seismic, site investigation – positioned where intended
Better SIMOPS management (common, standardized and accurate activity situational awareness)

Accurate GIS, Field and Project Charts, Common Operating Picture and Geospatial Analytics for:

Licences, Seismic, Wellbore, Infrastructure, Geohazards, Environmental, Imagery, Contextual, Cultural, mobile asset tracking and interpreted products

Risk Reduction

Reduced operational risk
Improved emergency response
Compliant with regulatory requirements
Correct legal boundary definitions
Improved spatial integrity during data transfer and manipulation

Business Value

Enhanced, high quality geospatial analytics, better visualisation, better subsurface models

Informed and competitive business decisions – spatially accurate, high quality operations positioning, geospatial data and maps.

more efficient, lower risk, trusted data

2016 Highlights

- Joint IOGP/IMCA/THSIS 6th Geomatics Industry Day – 110 Aberdeen based attendees
- Report (No 373-23) on use of the Web Mercator Coordinate Reference System
- Inputs to SEG updates of position elements of SEG D v3.1 and SEG Y v2.0 seismic data exchange formats
- Regulator advocacy on IOGP Drilling Hazard Site Survey (DHSS) guidelines (US, Trinidad, Egypt, UK)
- Webinar on DHSS reports and updated P Formats – 60 global Operators attendees
- Still to release: DHSS revised guidelines, P1/11 and P6/11 User Guides and P6/11 v1.1 format description, SSDM revised model, vertical CRS guidance note, satellite remote sensing for oil spills at sea guidelines (JV with IPIECA)

Chair's message

“ Geospatial data integrity, provided through the combination of:
• accurate positioning during field operations & data acquisition
• appropriate geospatial data management, mapping and visualization

is a key component to reduce safety, environmental and business risk in the oil and gas industry.

The Committee's primary objective for the near future will be to maintain our advocacy of industry regulators, associations & standards bodies and to maintain, enhance and develop existing deliverables such as the EPSG Geodetic Parameter Dataset, the SSDM – Seabed Survey Data Model, position data exchange formats and GIGS process.

What does the Health Committee do?

- Supports improvement of global health standards and performance in the oil and gas industry:
 - debate, develop and share good health practice
 - monitor, assess, and (where necessary) respond to health-related developments
 - inform policy and external stakeholders pro-actively and credibly on health-related issues.
- Run jointly with IOGP: including downstream issues
- All work done by 'sweat equity'
- Very active forum.

2017 work items include

- Revision of the entire fatigue management suite of documents to consolidate it and update older documents
- Telemedicine, in collaboration with the Institute of Remote Healthcare
- Paper on occupation exposure limits, global context
- Enhancing human performance as business value (inc. mental health, job satisfaction, operational/ non-operational factors, stress levels)
- Ageing workforce and assessing workforce capabilities (e.g mobility and vision).

Since we last met



Join us

Health is a major precondition for the success of companies.

Healthy people = Healthy and Productive business.

We achieved a lot in reducing fatalities 10/15 years ago – now it's the time to also focus on preventing ill-health and promoting good health.

Get involved!

Vector-borne diseases: Chikungunya and Zika virus

Annex to the IPIECA-IOGP guidance on Vector-borne disease management programmes

CHIKUNGUNYA

'Chikungunya' derives from a word in the Kimakonde language, meaning 'to become contorted', and describes the stooped appearance of sufferers with joint pain. It was first described

Diagnosis

Serological tests, such as ELISA (enzyme-linked immunosorbent assay tests), may confirm the presence of IgM and IgG 'anti-chikungunya' antibodies'. IgM antibody levels are highest from

Legal Committee

Chair: **Catherine Marchand Støle** (Statoil)



What does the Legal Committee do?

Develop industry standards and positions on legal areas in common for international upstream companies such as:

- Due diligence
- Anti-corruption
- Global sanctions
- Offshore pollution regulations and liability.

Advisory group within this area to IOGP Management Committee or other IOGP committee, work group or similar.

Work items for 2017

Within the frame of the Terms of Reference, emerging areas that need legal attention from an upstream perspective:

- Emerging EU directives and policy instruments
- International conventions and agreements
- Climate change implications for the upstream sector
- International convention, regulation and similar within
 - Offshore pollution
 - Climate
 - Anti-corruption and transparency
 - Human rights.



2016 Highlights

- Review and advise on financial responsibility and liability
- Responder immunity
- Working in the standards community
- Developing industry-wide understanding on the implications of international sanctions for individual companies and IOGP.

Chair's message

“ Finding common solutions, positions and standards within the legal community contributes to a sound and efficient legal upstream environment ”





What does the Metocean Committee do?

- Provides a focal point for communicating industry's requirements to global and regional metocean data archiving, data analysis, and metocean forecasting organizations
- Leads the offshore industry in applying new metocean technology
- Discusses and launches Joint Industry Projects (JIPs). Provides networking opportunities
- Provides guideline metocean criteria inputs to regional offshore standards (example: ISO Regional Annexes).

2016 Highlights

- Discussion on the new JIP dedicated to Climate Change
- The IOGP Metocean Committee JIP meetings provide the primary opportunity for the oil industry metocean specialists to network face-to-face with colleagues from the US, Europe, Brazil, the Far East, and Australia.

Work streams for 2017 and beyond

Continuation of key themes:

- Networking
- Providing a forum for two metocean JIP Weeks each year, often helping to germinate new JIPs
- Monitoring metocean instrumentation developments
- Providing a venue for presentations of interest to the Committee.

Work items for 2017

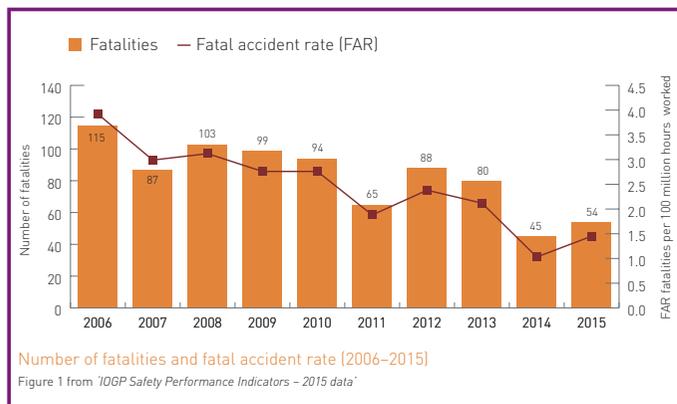
- Two metocean JIP Weeks, including discussion on potential new JIPs
- Organization of the workshop dedicated to Climate Change (subject to the Committee decision)
- Monitoring metocean instrumentation developments.

Miscellaneous active projects and studies supported by IOGP Metocean Committee

- **BOMOSHU**: determining wind and wave extremes and operational criteria in the Campos and contiguous Santos and Espirito basins in Brazil
- **CASE**: developing new tools and technology for characterization of deepwater currents in the Gulf of Mexico
- **CASMOS**: first definitive design metocean study for the Caspian Sea to analyse normal and extreme wind, wave, surge and current climate data
- **DEEPSTAR**: technology development forum focused on creating value in the development of deepwater assets
- **LOADS**: extreme wave modelling to provide practical recommendations for the wave heights and crest heights to be used in (floating) platform design
- **LOWISH**: depth-limited shallow-water waves modelling
- **Myanmar**: development and analysis of wind, wave, and current hindcast data bases for the Andaman Sea and the Bay of Bengal in Myanmar
- **NAMOS**: assessment of the extreme wind and wave climate offshore North and Northwest Australia largely associated with tropical cyclones
- **Special NAMOS**: developing synthetic tropical cyclone databases to support re-determining the 10,000 year wind, wave and current conditions on the Australian North West Shelf
- **NDP**: metocean studies for Norway's deepwater region with focus on deepwater currents
- **NEXT**: North Sea and Norwegian Sea long-term metocean hindcast studies including wave and wind modelling
- **NFAST**: nonlinear internal waves (solitons) modelling
- **PAMOS**: Pan-Arctic metocean studies covering areas of Bering Sea, Chukchi Sea, Russian Arctic Seas and Canadian Beaufort Sea
- **RPSEA** (Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Resources Research and Development Program for the Gulf in Mexico): programme includes Met-Ocean studies of hurricane, 3D currents, eddies and strong near-bottom currents in the Gulf of Mexico to provide more accurate facility design criteria and reduce downtime during deepwater drilling operations
- **SEAFINE**: development of wind and wave hindcast on a fine grid of the southern part of the South China Seas
- **WANE3**: metocean studies including wind and wave modelling offshore Angola

Safety Committee

Chair: **Taco Franssen** (Chevron)



What does the Safety Committee do?

- Promotes the prevention of fatalities and injuries, with a strong focus on major incidents
- Promotes the learning from safety events in member companies and the wider industry
- Works to strengthen safety barriers in member companies
- Provides safety data information that can be proactively shared with regulators and other stakeholders.

Focused on learning

The Safety Committee has refocused itself to engage deeply on learning from significant events – and promote the strengthening of associated barriers in member companies.

We aim to harness our combined knowledge and commitment to come up with actions and activities that, if implemented, will make a step change in the reduction of fatal incidents.

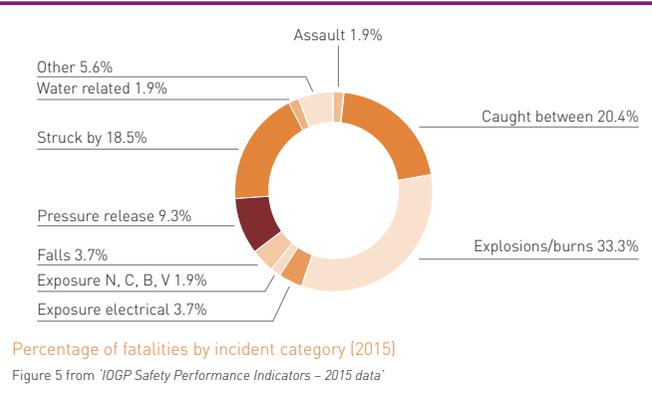
Preventing fatalities and fatal incidents

There were 54 fatalities reported in 2015 with at least 73% relating to the IOGP Life-Saving Rules.

Core Rules	1.	2.	3.	4.
	5.	6.	7.	8.
	9.	10.	11.	12.
	13.	14.	15.	16.
Supplementary Rules	17.	18.		

Largest proportion of the fatalities reported in 2015 were categorized as 'explosions or burns', with 18 fatalities in seven separate incidents:

- Two in the activity 'production operations'
- Two in 'Drilling, workover, well services'
- Two in the activity 'Maintenance, inspection, testing'
- One in the 'construction, commissioning, decommissioning'



Work items for 2017 include

- Further embed learning objective
- Publish *Safety Performance Indicators - 2016, Process Safety Events - 2016 data, and Motor Vehicle Crash Data - 2016*
- Risk Assessment Data Directory - review
- Asset Integrity and Process Safety KPIs reports - review
- Fabrication Sites Construction Safety - publish
- Human Factors in Barrier Management and Demystifying HF in Incident Investigations - publish
- Work with industry partners on the safety of our aviation, diving, land transportation, lifting and marine operations.

Report 552: Components of Organizational Learning From Events



NEW!
For more visit the IOGP library



Security Committee

Chair: **Steve Jones** (Shell)



What does the Security Committee do?

The Security Committee takes a holistic approach to security. It equally considers information, personnel and physical security in order to provide best practice guidance to comprehensive security risk management across the industry.

It provides guidance in all areas of security risk management and creates links with bodies such as the EU Commission, IAGC, API, NATO, etc. Such contacts encourage the sharing of information and good practices.

Work streams for 2017 and beyond

Security Committee will:

- raise security awareness, create security culture and promote Security Committee initiatives and its value within the petrochemical industry
- establish relationship with ICoCa (International Code of Conduct Association) and maintain relationship with other bodies like API, IAGC, etc.
- organize online webinar for IOGP membership, incl. non-security professionals on the topic of "Three simple ways to improve your security".

Work items for 2017

To raise security awareness, create a security culture and promote Security Committee initiatives and its value within the petrochemical industry.

The Security communication campaign is planned to be delivered in three phases:

- 1) Why Security is important? The development of professional infographic for top quality Security Committee guidelines *Security management system*
- 2) The development of professional infographic *Security Committee work*
- 3) *The nature of five publicly available security incidents, lessons learning exercise article.*

2016 Highlights

Security Committee Communication Strategy Development

Security Committee Vision 2020 development

IOGP Report 320, *Firearms and the use of force*, May 2016

IOGP Report 555, *Conducting security risk assessments (SRA) in dynamic threat environments*, June 2016



Chair's message

“ With the lower for longer oil price and the cost constrained environment impacting all of our companies, compounded by a ever more volatile global threat picture, we are looking at smarter ways to connect and stay connected as a committee, particularly when faced with a new threat or post a security incident.

We recently looked at our purpose and we are in the middle of a piece of work to refresh that, keep us aligned with the IOGP Strategy and relevant for our stakeholders. We hope to finish this piece of work at the November meeting.

What does the Standards Committee do?

IOGP Standards Committee supports the development of international standards for our industry, identifies areas where new standards are required, works with standards bodies and regulators globally.

Provide (JIP33) harmonized IOGP equipment specifications for procurement to be considered by operating company members replacing their own company specifications.

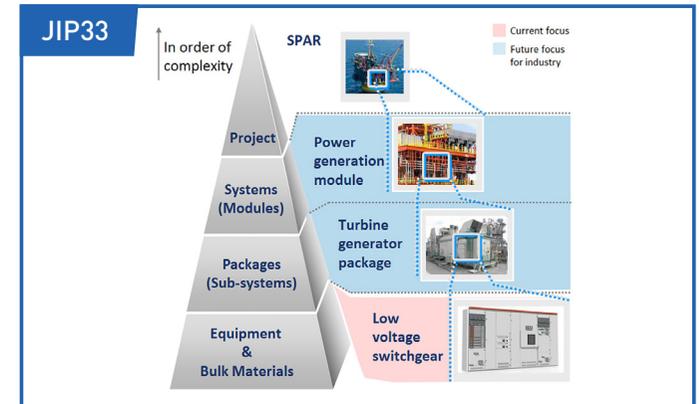
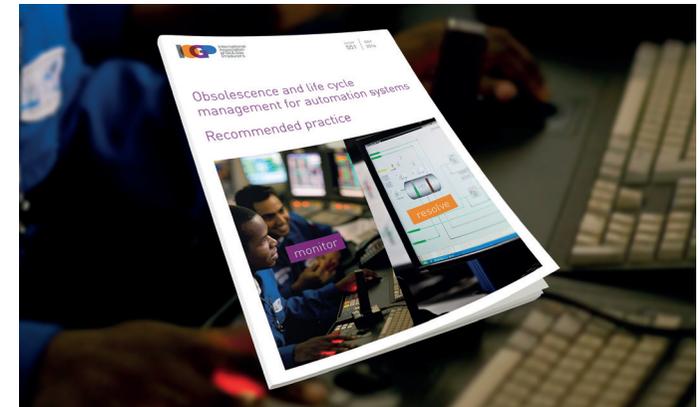
Operate the Standards Solution, which provides a legally compliant platform for international standards to be developed.

2016 Highlights

- Launched JIP33 and deliver four pilot specifications:
 - Ball Valves, Low Voltage Switchgears, Subsea Trees and Piping Materials.
- Standards solution delivered 16 draft ISO standards
- Delivered IOGP reports, e.g.
 - 547, Hydrocarbon process single and multi-layer level measurement
 - 551, Obsolescence and life cycle management for automation systems
- Formed Information Standards Subcommittee
- Planning for Engineering Leadership Summit meeting.

Work items for 2017

- Work with relevant bodies to find a permanent sustainable solution for development of international standards
- Support development of several International Standards
- Launch JIP33 Phase 2 to harmonize more company specifications as agreed by IOGP and WEF Members
- Continue to develop IOGP RPs, Specifications and Guidelines
- Update IOGP's position on standards development
- Work with WEF to implement a cultural change
- Promote awareness and use of common standards within industry.



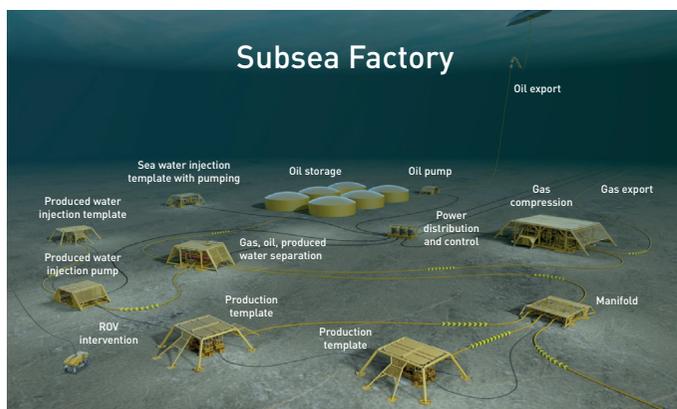
Work streams for 2017 and beyond

- Provide Engineering Leadership
- Support International Standards development
- Develop RPs, Equipment & Package Specifications
- Continue to work with relevant bodies to find a sustainable Standards Solution
- Push for alignment of key standards
- Maintain close communication with SDOs
- Maintain established liaisons
- Networking to build excellence
- Experts experience sharing
- Workshops.



Subsea Committee

Chair: **Roald Sirevaag** (Statoil)



What does the Subsea Committee do?

The mission – purpose and vision – of the Subsea Committee is to improve HSE in all aspects of subsea facilities and operations and contribute to value creation with a focus on two priority areas with two supporting themes:

- 1) Priority area: **HSE**
Supporting theme: performance improvement / lifetime extension
- 2) Priority area: **Standardization / Industrialization**
Supporting theme: technology qualification.

Work streams for 2017 and beyond

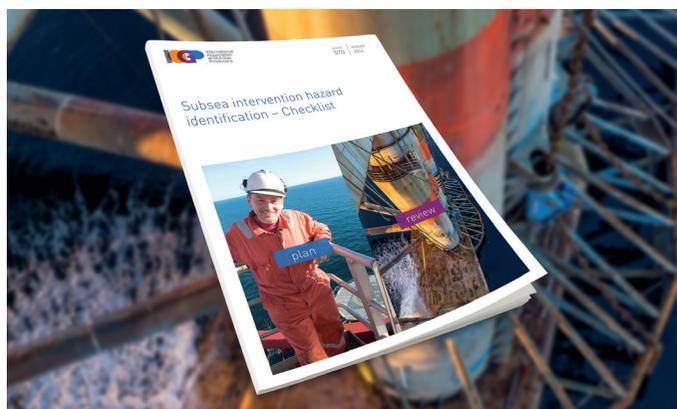
Priority areas:

HSE: Emergency Preparedness: Phase 2 that will be launched Q4-2016 and carried out in 2017.

Standardization / Industrialization: Industry standards, work processes, standardized products and configurable systems promotion.

Performance improvements / Life Time Extension – supporting theme to HSE: Sharing experiences, discussing emerging issues and establishing common ground on safe extension of subsea installation.

Technology Qualification – supporting theme to Standardization / Industrialization: The Committee will monitor and contribute to the revision of API 17Q.



2016 Highlights

The Subsea Committee has a close relationship with JIP33, the purpose of which is not only to standardize subsea equipment procurement specifications but also to implement a real cultural change in the E&P industry.

Building on JIP33, the Subsea Committee has initiated the work to define standard products starting with the Vertical subsea tree with tubing hanger spool. Presently consulting with the suppliers based on operator agreed P&ID and data sheet.

The Subsea Committee produced IOGP Report 570, *Subsea intervention hazard identification – checklist*.

Work items for 2017

- Emergency preparedness study, Phase 2.
- Propose new subsea activities for JIP33 and execute on these. Continue work on standard products.
- Promotion of activities and JIP's focused on business improvement for subsea: e.g. Phase 2 of DNV-GL JIP leading to update of Phase 1 recommended practice RP-0034 on forgings; DNV-GL JIP on manufacturing documentation; RP for Welding & Inspection; potentially an RP on Fasteners.
- Sharing of lessons learned and development of Subsea Lessons learned database.
- Contribution to the revision of API 17Q.

Work stream contacts

- **HSE:** Michael Starkey, ExxonMobil
- **Standardization:** Per-Arne Nilsen, Total
- **Technology qualification:** Peter Blake, Chevron
- **Lifetime extension:** Martin Dove, BP

Chair's message

“ The HSE situation related to subsea is sound – but we cannot rest on our laurels.

To transform the industry through Simplification, Standardization and Industrialization we need:

- Broad participation
- Pragmatic compromises
- Broad implementation and discipline.

Wells Expert Committee

Chair: **Enrique Garcia** (ExxonMobil)

What does the Wells Expert Committee do?

The WEC's objective is to improve operator effectiveness in the prevention and mitigation of high potential consequence well control events by:

- Focusing its efforts on well construction and well work, recognizing that such events pose the highest risk
- Assessing and sharing global well control incidents and learnings and monitoring industry response
- Developing and implementing strategies to address key issues by leveraging its global coalition of operators and engaging and influencing key industry stakeholders accordingly.

2016 Highlights

Key highlights for 2016 include:

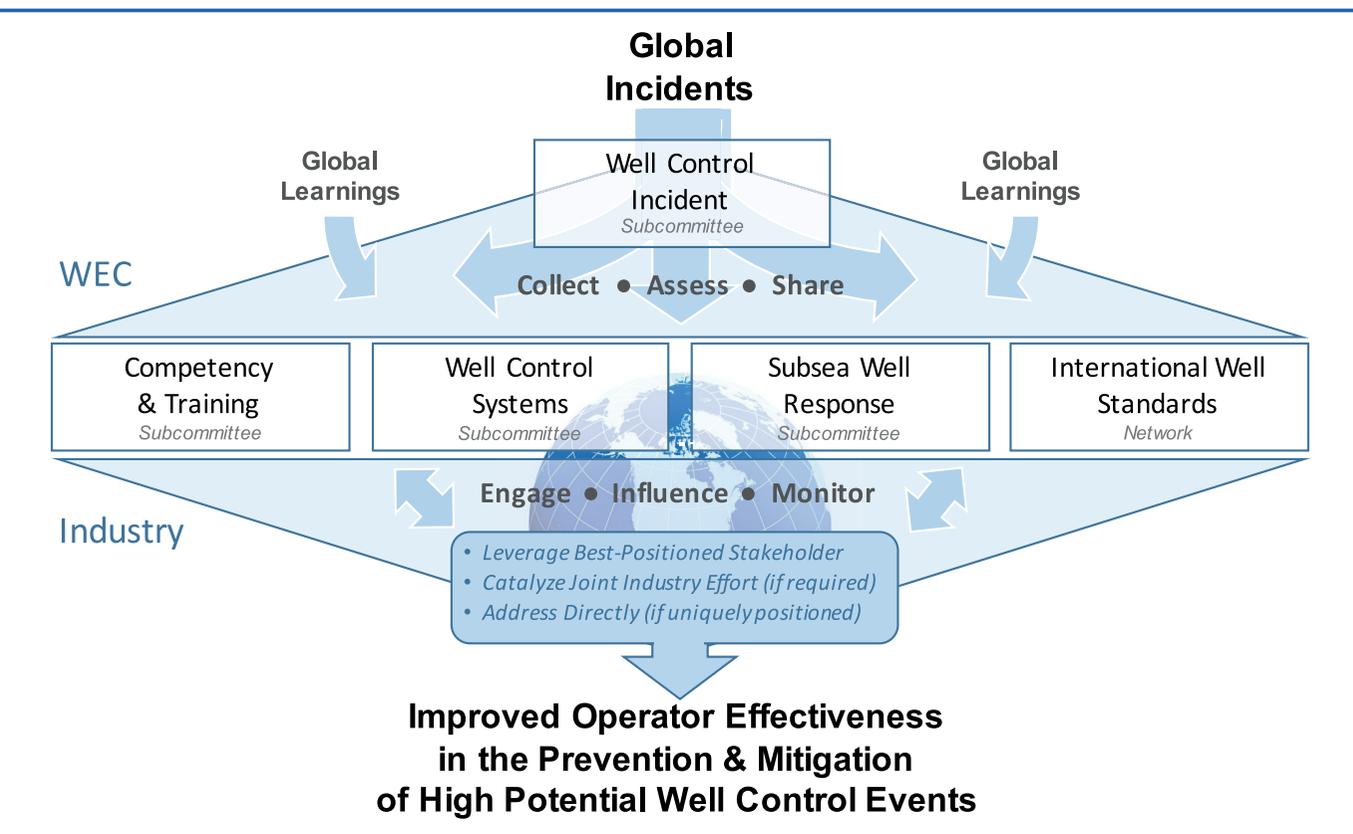
- release of industry-recognized IOGP Report 476 which enhances industry well control training, examination and certification standards, and
- launch of multiple Joint Industry Projects to assess and improve well control system reliability.

Other accomplishments include the compilation of internationally recognized standards and guidelines for drilling, well construction and well operations (IOGP Report 485) and the continued stewardship of the global well control incident database.

2017 work items

In 2017, the WEC is focused on strengthening and broadening its global well control incident database and leveraging it as a feedstock for WEC initiatives in the areas of well control competency and training and well control system reliability.

The WEC is also launching a Subsea Well Response Subcommittee to safeguard and enhance industry's capability to effectively regain source control. The team will assess current industry capability, leverage the achievements of the Subsea Well Response Project, and capture additional synergies across the industry.



Chair's Message

“ The WEC has modified its structure and shifted its focus to future opportunities after addressing key recommendations on prevention from the Global Industry Response Group report.

Fundamental to its renewed mission is strengthening and broadening the sharing of well control events and learnings across the industry and leveraging the WEC to influence and drive effective industry response.

Leadership of member companies can help by ensuring their WEC members have internal visibility to the full range of well control events in their companies and the ability to influence the identification and dissemination of key learnings. ”

